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☐ **1:** NP_035255 Nucleotide, Related Sequences, PubMed, Taxonomy, BLink
phospholipid transfer protein [Mus musculus]
gi|6755112|ref|NP_035255.1|[6755112]

☐ **2:** NP_032515 Nucleotide, Related Sequences, PubMed, Taxonomy, BLink
lipopolysaccharide binding protein [Mus musculus]
gi|6678670|ref|NP_032515.1|[6678670]

☐ **3:** Q61805 Related Sequences, PubMed, Taxonomy, BLink
LIPOPOLYSACCHARIDE-BINDING PROTEIN PRECURSOR (LBP)
gi|2497616|sp|Q61805|LBP_MOUSE[2497616]

☐ **4:** CAA67727 Nucleotide, Related Sequences, PubMed, Taxonomy, BLink
LPS-binding protein [Mus musculus]
gi|1430867|emb|CAA67727.1|[1430867]

☐ **5:** P55065 Related Sequences, PubMed, Taxonomy, BLink
PHOSPHOLIPID TRANSFER PROTEIN PRECURSOR (LIPID TRANSFER PROTEIN II)
gi|1709663|sp|P55065|PLTP_MOUSE[1709663]

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1: NP_035255. phospholipid tran... [gi:6755112]

Nucleotide, Related Sequences, PubMed, Taxonomy, BLink, LinkOut

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LOCUS       NP_035255                493 aa            linear   ROD 07-JAN-2002
DEFINITION  phospholipid transfer protein [Mus musculus].
ACCESSION   NP_035255
PID         g6755112
VERSION     NP_035255.1  GI:6755112
DBSOURCE    REFSEQ: accession NM_011125.1
KEYWORDS    .
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (residues 1 to 493)
  AUTHORS   Jiang,X.C. and Bruce,C.
  TITLE     Regulation of murine plasma phospholipid transfer protein activity
            and mRNA levels by lipopolysaccharide and high cholesterol diet
  JOURNAL   J. Biol. Chem. 270 (29), 17133-17138 (1995)
  MEDLINE   95340492
   PUBMED   7615508
REFERENCE   2  (residues 1 to 493)
  AUTHORS   Albers,J.J., Wolfbauer,G., Cheung,M.C., Day,J.R., Ching,A.F.,
            Lok,S. and Tu,A.Y.
  TITLE     Functional expression of human and mouse plasma phospholipid
            transfer protein: effect of recombinant and plasma PLTP on HDL
            subspecies
  JOURNAL   Biochim. Biophys. Acta 1258 (1), 27-34 (1995)
  MEDLINE   95383401
REFERENCE   3  (residues 1 to 493)
  AUTHORS   Tu,A.Y., Chen,H., Johnson,K.A., Paigen,B. and Albers,J.J.
  TITLE     Characterization of the mouse gene encoding phospholipid transfer
            protein
  JOURNAL   Gene 188 (1), 115-118 (1997)
  MEDLINE   97254458
   PUBMED   9099868
COMMENT     PROVISIONAL REFSEQ: This record has not yet been subject to final
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                     /map="2 93.0 cM"
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QD1.B5

h cb h g e e e e fcg e e b e ge

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                     /note="BPI1"
     Region          228..464
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                     /note="LBP_BPI_CETP_C"
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                     /db_xref="CDD:smart00329"
                     /note="BPI2"
     CDS             1..493
                     /gene="Pltp"
                     /db_xref="LocusID:18830"
                     /db_xref="MGD:103151"
                     /coded_by="NM_011125.1:67..1548"
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       61 fyynisdvrv tqlhlissel hfqpdqdlll nisnaslglh frrqllywfl ydggyinasa
      121 egvsirtglq lsqdssgrik vsnvsceasv skmnmafggt frrmynffst fitsgmrfll
      181 nqqicpvlyh agtvllnsll dtvpvrssvd dlvgidysll kdpvvsngnl dmefrgaffp
      241 lkednwslpn ravepqledd ermvyvafse fffdsamesy fqagalqltl vgdkvpsdld
      301 mllratyfgs ivllsptvin splklkleat spprctikps gttisitasv titlappmlp
      361 evelskmime grlsakltlr gkalrvkldl rrfqiysnqs aleslalipl qaplktllqi
      421 gvmpllnert wrgvqiplpe ginfvrevvt nhagfvtvga dlhfakglre vidknrpadv
      481 aashvpppsa aaa
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h cb h g e e e e fcg e e b e ge

1: NP_032515. lipopolysaccharid... [gi:6678670]

Nucleotide, Related Sequences, PubMed, Taxonomy, BLink, LinkOut

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LOCUS       NP_032515                481 aa            linear   ROD 07-JAN-2002
DEFINITION  lipopolysaccharide binding protein [Mus musculus].
ACCESSION   NP_032515
PID         g6678670
VERSION     NP_032515.1  GI:6678670
DBSOURCE    REFSEQ: accession NM_008489.1
KEYWORDS    .
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (residues 1 to 481)
  AUTHORS   Lengacher,S., Jongeneel,C.V., Le Roy,D., Lee,J.D., Kravchenko,V.,
            Ulevitch,R.J., Glauser,M.P. and Heumann,D.
  TITLE     Reactivity of murine and human recombinant LPS-binding protein
            (LBP) within LPS and gram negative bacteria
  JOURNAL   J. Inflamm. 47 (4), 165-172 (1995)
  MEDLINE   97289150
   PUBMED   9144073
REFERENCE   2  (residues 1 to 481)
  AUTHORS   Lengacher,S., Reed,D., Heumann,D. and Jongeneel,C.V.
  TITLE     Genomic organization and chromosomal localization of the mouse
            lipopolysaccharide binding protein gene
  JOURNAL   Immunogenetics 49 (6), 553-556 (1999)
  MEDLINE   99309821
   PUBMED   10380702
REFERENCE   3  (residues 1 to 481)
  AUTHORS   Heinrich,J.M., Bernheiden,M., Minigo,G., Yang,K.K., Schutt,C.,
            Mannel,D.N. and Jack,R.S.
  TITLE     The essential role of lipopolysaccharide-binding protein in
            protection of mice against a peritoneal Salmonella infection
            involves the rapid induction of an inflammatory response
  JOURNAL   J. Immunol. 167 (3), 1624-1628 (2001)
  MEDLINE   21359554
   PUBMED   11466385
COMMENT     PROVISIONAL REFSEQ: This record has not yet been subject to final
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FEATURES             Location/Qualifiers
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                     /strain="BALB/c"
                     /db_xref="taxon:10090"
                     /chromosome="2"
                     /map="2 83.0 cM"
                     /cell_type="hepatocyte"
                     /dev_stage="adult"
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h cb h g e e e e fcg e e b e ge

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     Region          26..238
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                     /db_xref="CDD:pfam01273"
                     /note="LBP_BPI_CETP"
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                     /db_xref="CDD:smart00328"
                     /note="BPI1"
     Region          243..478
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                     /db_xref="CDD:pfam02886"
                     /note="LBP_BPI_CETP_C"
     Region          271..474
                     /region_name="BPI/LBP/CETP C-terminal domain"
                     /db_xref="CDD:smart00329"
                     /note="BPI2"
     CDS             1..481
                     /gene="Lbp"
                     /db_xref="LocusID:16803"
                     /db_xref="MGD:1098776"
                     /coded_by="NM_008489.1:128..1573"
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      121 sflklhgsfd ldvkgvtisv dlllgmdpsg rptvsasgcs sricdldvhi sgnvgwllnl
      181 fhnqiesklq kvlenkvcem iqksvtsdlq pylqtlpvta eidnvlgidy slvaapqaka
      241 qvldvmfkge ifnrnhrspv atptptmslp edskqmvyfa isdhafnias rvyhqagyln
      301 fsitddmlph dsgirlntka frpftpqiyk kypdmklell rtvvsapiln vspgnlslap
      361 qmeiegfvil ptsarepvfr lsvvtnvfas ltfntrkvtg mlhpdkaqvr lieskvgifn
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      481 v
//
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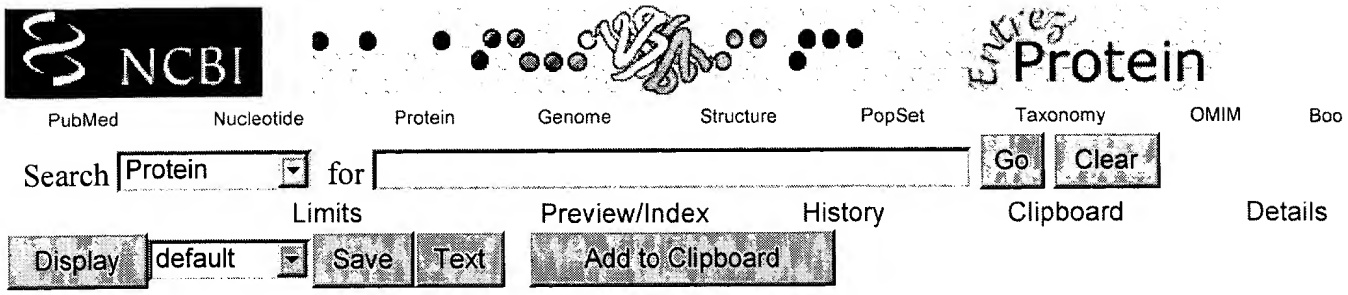

1: Q61805. LIPOPOLYSACCHARID...[gi:2497616] Related Sequences, PubMed, Taxonomy, BLink, LinkOut

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LOCUS       LBP_MOUSE                481 aa            linear   ROD 15-JUL-1998
DEFINITION  LIPOPOLYSACCHARIDE-BINDING PROTEIN PRECURSOR (LBP).
ACCESSION   Q61805
PID         g2497616
VERSION     Q61805  GI:2497616
DBSOURCE    swissprot: locus LBP_MOUSE, accession Q61805;
            class: standard.
            created: Nov 1, 1997.
            sequence updated: Nov 1, 1997.
            annotation updated: Jul 15, 1998.
            xrefs: gi: gi: 1430866, gi: gi: 1430867
            xrefs (non-sequence databases): HSSP P17213, MGD MGI:1098776, PFAM
            PF01273, PROSITE PS00400
KEYWORDS    Lipid transport; Antibiotic; Transmembrane; Glycoprotein; Signal.
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (residues 1 to 481)
  AUTHORS   Lengacher,S., Jongeneel,C.V., Le Roy,D., Lee,J.D., Kravchenko,V.,
            Ulevitch,R.J., Glauser,M.P. and Heumann,D.
  TITLE     Reactivity of murine and human recombinant LPS-binding protein
            (LBP) within LPS and gram negative bacteria
  JOURNAL   J. Inflamm. 47 (4), 165-172 (1995)
  MEDLINE   97289150
   PUBMED   9144073
  REMARK    SEQUENCE FROM N.A.
            STRAIN=BALB/C
COMMENT     ---------------------------------------------------------------------
            This SWISS-PROT entry is copyright. It is produced through a
            collaboration between the Swiss Institute of Bioinformatics and
            the EMBL outstation - the European Bioinformatics Institute.
            The original entry is available from http://www.expasy.ch/sprot
            and http://www.ebi.ac.uk/sprot
            ---------------------------------------------------------------------.
            [FUNCTION] BINDS TO THE LIPID A MOIETY OF BACTERIAL
            LIPOPOLYSACCHARIDES (LPS), A GLYCOLIPID PRESENT IN THE OUTER
            MEMBRANE OF ALL GRAM-NEGATIVE BACTERIA. THE LBP/LPS COMPLEX SEEMS
            TO INTERACT WITH THE CD14 RECEPTOR.
            [SIMILARITY] BELONGS TO THE BPI/CETP/LBP/PLTP FAMILY.
FEATURES             Location/Qualifiers
     source          1..481
                     /organism="Mus musculus"
                     /db_xref="taxon:10090"
                     1..481
     Protein         1..481
                     /product="LIPOPOLYSACCHARIDE-BINDING PROTEIN PRECURSOR"
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     Region          25..481
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                     /note="LIPOPOLYSACCHARIDE-BINDING PROTEIN."
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                     /note="POTENTIAL."
     Site            355
                     /site_type="glycosylation"
                     /note="POTENTIAL."
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      121 sflklhgsfd ldvkgvtisv dlllgmdpsg rptvsasgcs sricdldvhi sgnvgwllnl
      181 fhnqiesklq kvlenkvcem iqksvtsdlq pylqtlpvta eidnvlgidy slvaapqaka
      241 qvldvmfkge ifnrnhrspv atptptmslp edskqmvyfa isdhafnias rvyhqagyln
      301 fsitddmlph dsgirlntka frpftpqiyk kypdmklell rtvvsapiln vspgnlslap
      361 qmeiegfvil ptsarepvfr lsvvtnvfas ltfntrkvtg mlhpdkaqvr lieskvgifn
      421 vnlfqaflny yllnslypdv naelaqgfpl plprhiqlhd ldfqirkdfl ylganvqymr
      481 v
//
```

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1: NP_035255 Nucleotide, Related Sequences, PubMed, Taxonomy, BLink
phospholipid transfer protein [Mus musculus]
gi|6755112|ref|NP_035255.1|[6755112]

2: NP_032515 Nucleotide, Related Sequences, PubMed, Taxonomy, BLink
lipopolysaccharide binding protein [Mus musculus]
gi|6678670|ref|NP_032515.1|[6678670]

3: Q61805 Related Sequences, PubMed, Taxonomy, BLink
LIPOPOLYSACCHARIDE-BINDING PROTEIN PRECURSOR (LBP)
gi|2497616|sp|Q61805|LBP_MOUSE[2497616]

4: CAA67727 Nucleotide, Related Sequences, PubMed, Taxonomy, BLink
LPS-binding protein [Mus musculus]
gi|1430867|emb|CAA67727.1|[1430867]

5: P55065 Related Sequences, PubMed, Taxonomy, BLink
PHOSPHOLIPID TRANSFER PROTEIN PRECURSOR (LIPID TRANSFER PROTEIN II)
gi|1709663|sp|P55065|PLTP_MOUSE[1709663]

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☐ 1: CAA67727. LPS-binding prote... [gi:1430867]

Nucleotide, Related Sequences, PubMed, Taxonomy, BLink, LinkOut

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LOCUS       CAA67727                 481 aa            linear   ROD 17-JUL-1997
DEFINITION  LPS-binding protein [Mus musculus].
ACCESSION   CAA67727
PID         g1430867
VERSION     CAA67727.1  GI:1430867
DBSOURCE    embl locus MMLPS, accession X99347.1
KEYWORDS    .
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (residues 1 to 481)
  AUTHORS   Lengacher,S., Jongeneel,C.V., Le Roy,D., Lee,J.D., Kravchenko,V.,
            Ulevitch,R.J., Glauser,M.P. and Heumann,D.
  TITLE     Reactivity of murine and human recombinant LPS-binding protein
            (LBP) within LPS and gram negative bacteria
  JOURNAL   Journal of inflammation. 47 (4), 165-172 (1995)
  MEDLINE   97289150
   PUBMED   9144073
REFERENCE   2  (residues 1 to 481)
  AUTHORS   Jongeneel,V.
  TITLE     Direct Submission
  JOURNAL   Submitted (15-JUL-1996) V. Jongeneel, Ludwig Institute for Cancer
            Research, Lausanne Branch, Chemin des Boveresses 155, CH-1066
            EPALINGES, Switzerland
FEATURES             Location/Qualifiers
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     CDS             1..481
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                     /db_xref="SWISS-PROT:Q61805"
                     /coded_by="X99347.1:128..1573"
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       61 dfsgdfkika vgrgqyefhs leiqncelrg sslkllpgqg lrlaisdssi gvrgkwkvrk
      121 sflklhgsfd ldvkgvtisv dlllgmdpsg rptvsasgcs sricdldvhi sgnvgwllnl
      181 fhnqiesklq kvlenkvcem iqksvtsdlq pylqtlpvta eidnvlgidy slvaapqaka
      241 qvldvmfkge ifnrnhrspv atptptmslp edskqmvyfa isdhafnias rvyhqagyln
      301 fsitddmlph dsgirlntka frpftpqiyk kypdmklell rtvvsapiln vspgnlslap
      361 qmeiegfvil ptsarepvfr lsvvtnvfas ltfntrkvtg mlhpdkaqvr lieskvgifn
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h cb h g e e e e fcg e e b e ge

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      421 vnlfqaflny yllnslypdv naelaqgfpl plprhiqlhd ldfqirkdfl ylganvqymr
      481 v
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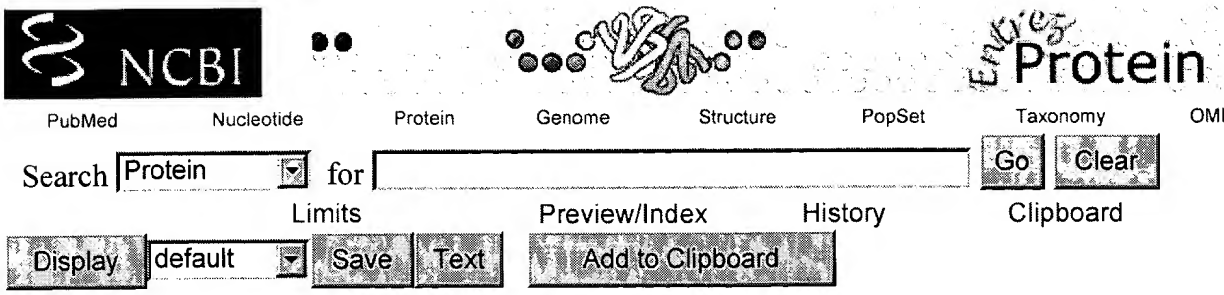
h cb h g e e e e fcg e e b e ge



1: P55065. PHOSPHOLIPID TRAN...[gi:1709663] Related Sequences, PubMed, Taxonomy, BLink, LinkOut

```
LOCUS       PLTP_MOUSE              493 aa            linear   ROD 01-NOV-1997
DEFINITION  PHOSPHOLIPID TRANSFER PROTEIN PRECURSOR (LIPID TRANSFER PROTEIN
            II).
ACCESSION   P55065
PID         g1709663
VERSION     P55065  GI:1709663
DBSOURCE    swissprot: locus PLTP_MOUSE, accession P55065;
            class: standard.
            created: Oct 1, 1996.
            sequence updated: Oct 1, 1996.
            annotation updated: Nov 1, 1997.
            xrefs: gi: gi: 1051265, gi: gi: 1051266, gi: gi: 902887, gi: gi:
            902888
            xrefs (non-sequence databases): HSSP P24337, MGD MGI:103151, PFAM
            PF01273, PROSITE PS00400
KEYWORDS    Lipid transport; Glycoprotein; Signal.
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (residues 1 to 493)
  AUTHORS   Albers,J.J., Wolfbauer,G., Cheung,M.C., Day,J.R., Ching,A.F.,
            Lok,S. and Tu,A.Y.
  TITLE     Functional expression of human and mouse plasma phospholipid
            transfer protein: effect of recombinant and plasma PLTP on HDL
            subspecies
  JOURNAL   Biochim. Biophys. Acta 1258 (1), 27-34 (1995)
  MEDLINE   95383401
  REMARK    SEQUENCE FROM N.A.
REFERENCE   2  (residues 1 to 493)
  AUTHORS   Jiang,X.C. and Bruce,C.
  TITLE     Regulation of murine plasma phospholipid transfer protein activity
            and mRNA levels by lipopolysaccharide and high cholesterol diet
  JOURNAL   J. Biol. Chem. 270 (29), 17133-17138 (1995)
  MEDLINE   95340492
  REMARK    SEQUENCE FROM N.A.
            STRAIN=C57BL/6
COMMENT     ---------------------------------------------------------------------
            This SWISS-PROT entry is copyright. It is produced through a
            collaboration between the Swiss Institute of Bioinformatics and
            the EMBL outstation - the European Bioinformatics Institute.
            The original entry is available from http://www.expasy.ch/sprot
            and http://www.ebi.ac.uk/sprot
            ---------------------------------------------------------------------.
            [FUNCTION] CONVERTS HDL INTO LARGER AND SMALLER PARTICLES. MAY PLAY
            A KEY ROLE IN EXTRACELLULAR PHOSPHOLIPID TRANSPORT AND MODULATION
            OF HDL PARTICLES.
```

```
            [TISSUE SPECIFICITY] HIGHEST IN LUNG, ADIPOSE TISSUE, BRAIN, AND
            HEART.
            [SIMILARITY] BELONGS TO THE BPI/CETP/LBP/PLTP FAMILY.
FEATURES             Location/Qualifiers
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                     /db_xref="taxon:10090"
                     1..493
     Protein         1..493
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     Region          16..17
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                     /note="MISSING (IN REF. 2)."
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                     /region_name="Conflict"
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                     /note="POTENTIAL."
     Site            91
                     /site_type="glycosylation"
                     /note="POTENTIAL."
     Site            94
                     /site_type="glycosylation"
                     /note="POTENTIAL."
     Region          103
                     /region_name="Conflict"
                     /note="R -> S (IN REF. 2)."
     Region          106
                     /region_name="Conflict"
                     /note="L -> P (IN REF. 2)."
     Site            117
                     /site_type="glycosylation"
                     /note="POTENTIAL."
     Site            143
                     /site_type="glycosylation"
                     /note="POTENTIAL."
     Region          156
                     /region_name="Conflict"
                     /note="A -> D (IN REF. 2)."
     Region          242..244
                     /region_name="Conflict"
                     /note="KED -> RRN (IN REF. 2)."
     Site            245
                     /site_type="glycosylation"
                     /note="POTENTIAL."
     Region          326
                     /region_name="Conflict"
                     /note="K -> M (IN REF. 2)."
     Site            398
                     /site_type="glycosylation"
                     /note="POTENTIAL."
     Region          464
                     /region_name="Conflict"
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h cb h g e e e e fcg e e b e ge

```
                     /note="F -> L (IN REF. 2)."
ORIGIN
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      121 egvsirtglq lsqdssgrik vsnvsceasv skmnmafggt frrmynffst fitsgmrfll
      181 nqqicpvlyh agtvllnsll dtvpvrssvd dlvgidysll kdpvvsngnl dmefrgaffp
      241 lkednwslpn ravepqledd ermvyvafse fffdsamesy fqagalqltl vgdkvpsdld
      301 mllratyfgs ivllsptvin splklkleat spprctikps gttisitasv titlappmlp
      361 evelskmime grlsakltlr gkalrvkldl rrfqiysnqs aleslalipl qaplktllqi
      421 gvmpllnert wrgvqiplpe ginfvrevvt nhagfvtvga dlhfakglre vidknrpadv
      481 aashvpppsa aaa
//
```

Revised: October 24, 2001.

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